

## IL-5 Polyclonal Antibody Catalog # AP70522

### Specification

#### IL-5 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">P05113</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

#### IL-5 Polyclonal Antibody - Additional Information

##### Gene ID 3567

##### Other Names

IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF

##### Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

##### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

##### Storage Conditions

-20°C

#### IL-5 Polyclonal Antibody - Protein Information

##### Name IL5

##### Function

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:[2653458](http://www.uniprot.org/citations/2653458), PubMed:[9010276](http://www.uniprot.org/citations/9010276)). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed:[1495999](http://www.uniprot.org/citations/1495999), PubMed:[22528658](http://www.uniprot.org/citations/22528658)). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed:[7613138](http://www.uniprot.org/citations/7613138)).

**Cellular Location**

Secreted.

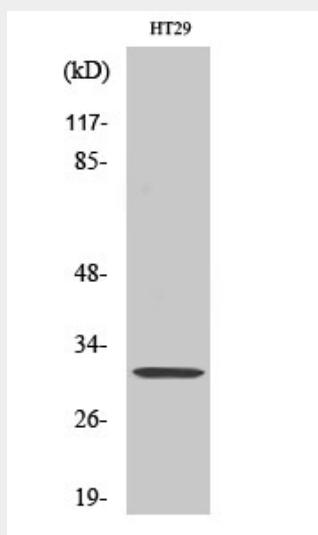
**Tissue Location**

Present in peripheral blood mononuclear cells.

**IL-5 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IL-5 Polyclonal Antibody - Images**

Western Blot analysis of various cells using IL-5 Polyclonal Antibody



**IL-5 Polyclonal Antibody - Background**

Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells.